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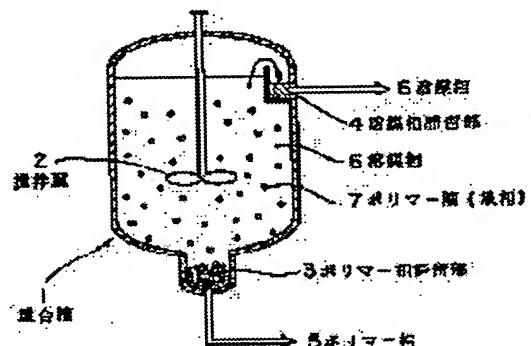
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(54) PRODUCTION OF POLYARYLENE SULFIDE BY CONTINUOUS MULTISTAGE POLYMERIZATION

(57)Abstract:

PROBLEM TO BE SOLVED: To produce a polyarylene sulfide(PAS) having a high molecular weight by establishing a technique for stably transferring the reaction solution while keeping the polymer to solvent composition ratio among the polymerizers constant.

SOLUTION: A polyarylene sulfide is continuously produced by a continuous multistage polymerization process by successively transferring the reaction solution through multistage polymerizers. This process comprises the step (1) of discharging the polymer phase 5 from the bottom of the polymerizer and discharging the solvent phase 6 from its top, the step (2) of mixing the discharged polymer phase 5 with the discharged solvent phase 6 to give a mixture of a specified concentration, the step (3) of feeding the mixture into the next polymerizer 1, and the step (4) of repeating the steps (1) to (3).



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